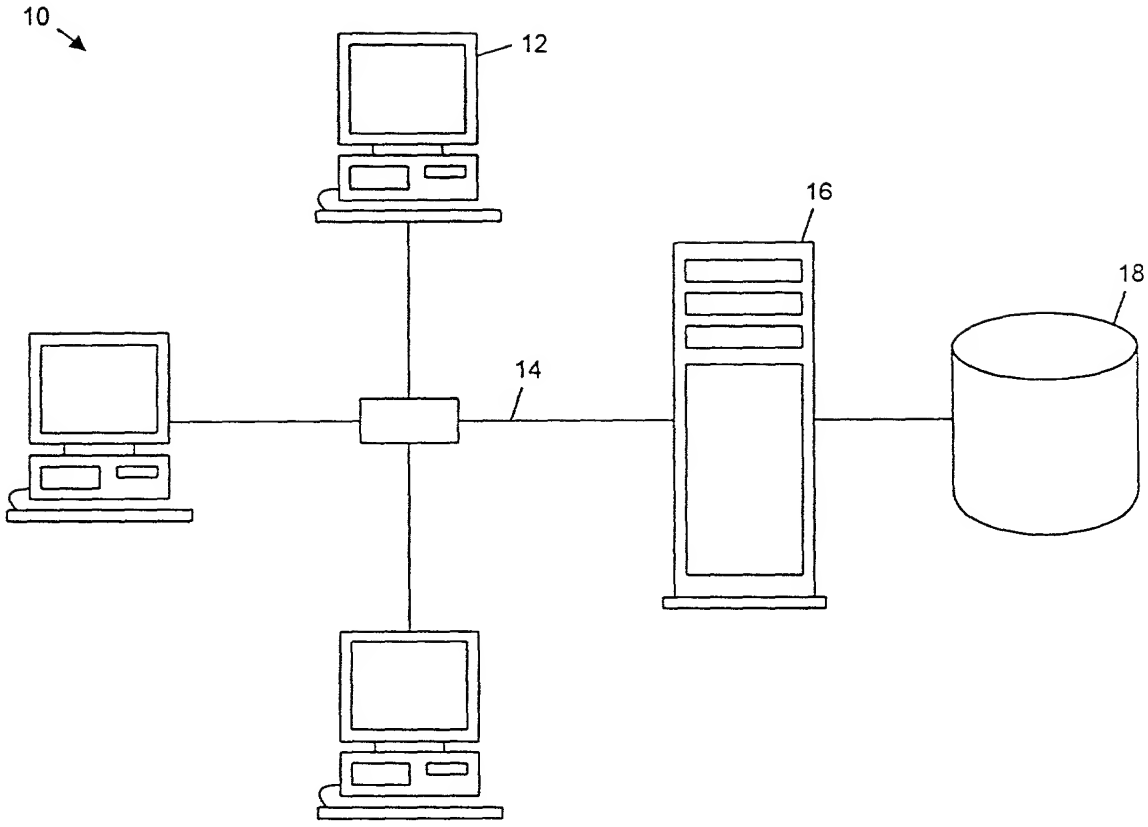

FIG. 1 - SERVER ATTACHED STORAGE (SAS)
(PRIOR ART)

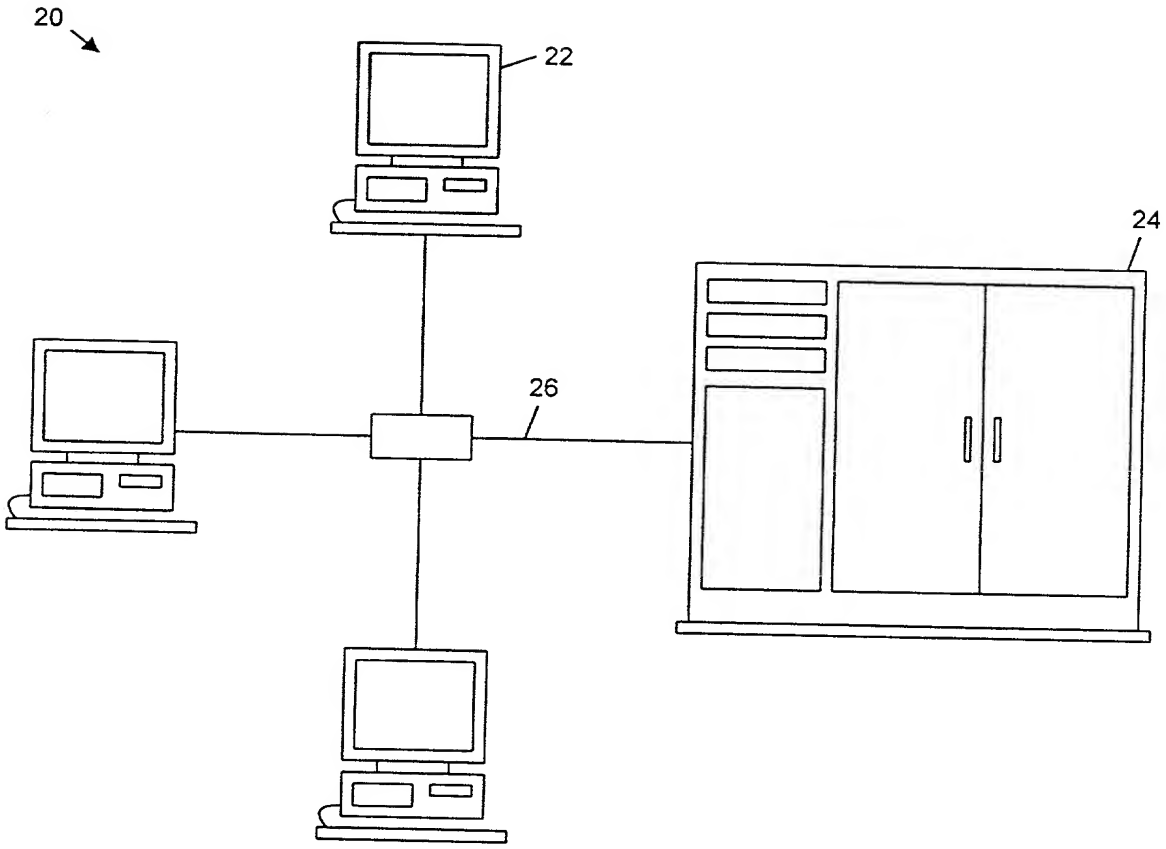

FIG. 2 - NETWORK ATTACHED STORAGE (NAS)
(PRIOR ART)

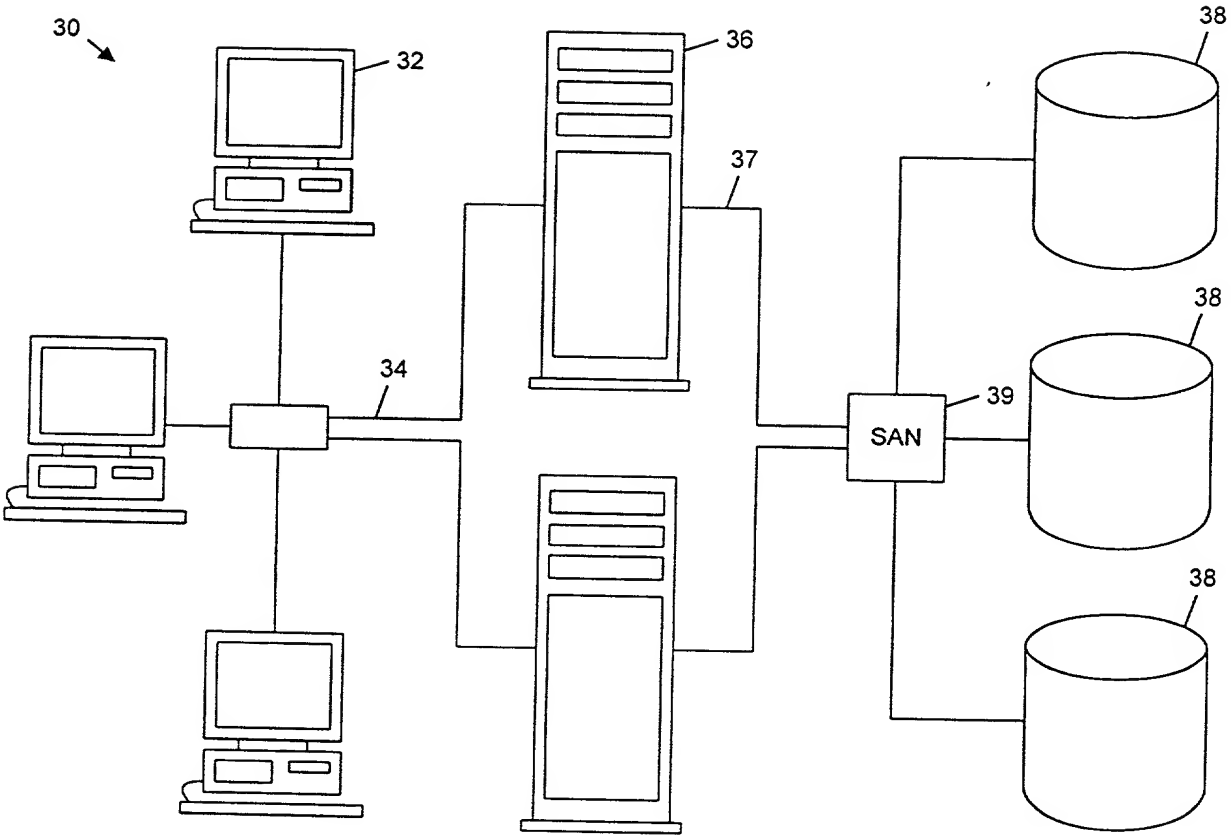

FIG. 3 - STORAGE AREA NETWORK (SAN)
(PRIOR ART)

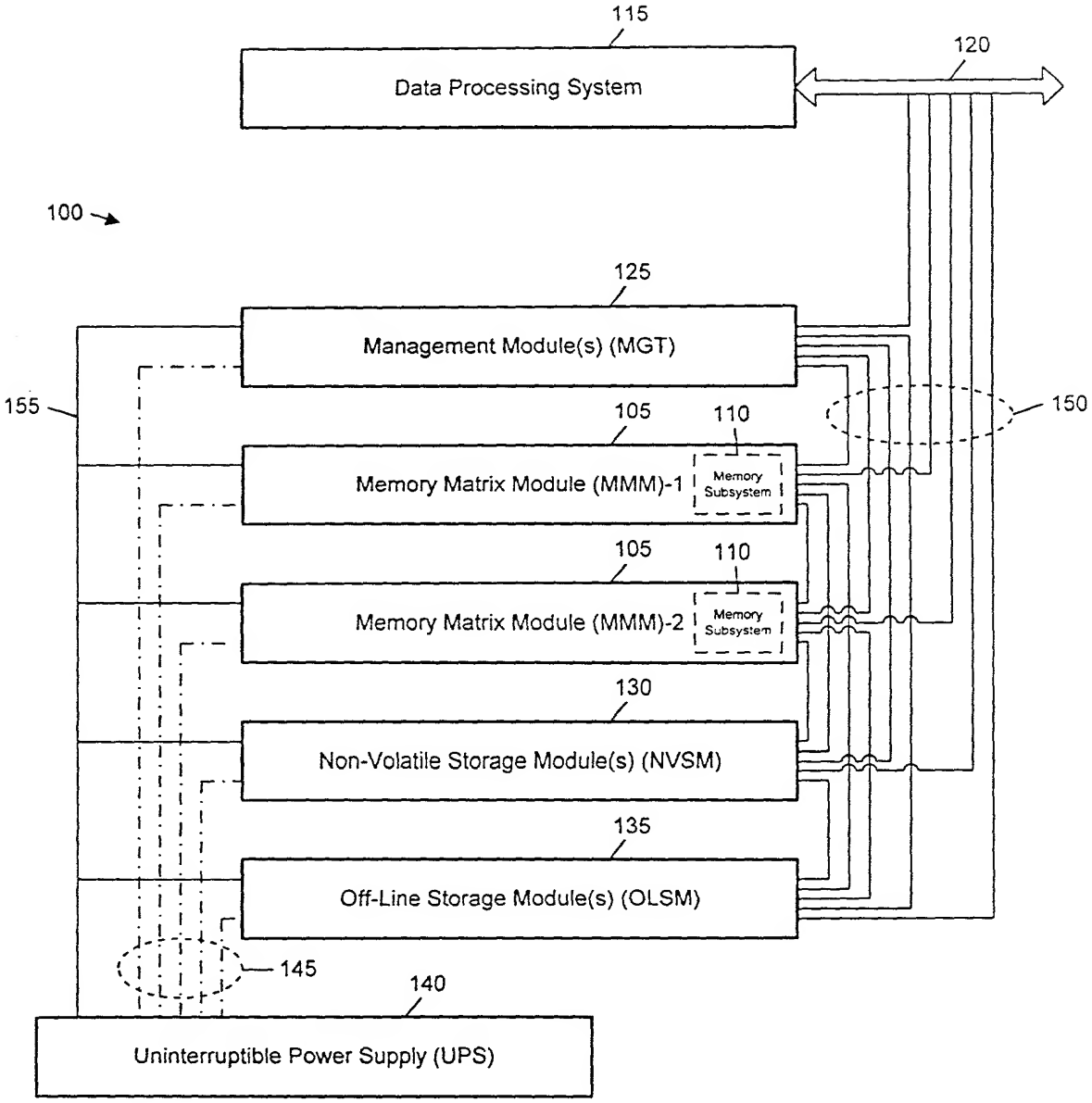

FIG. 4 - MEMORY MATRIX SYSTEM COMPONENTS (NAS CONFIGURATION)

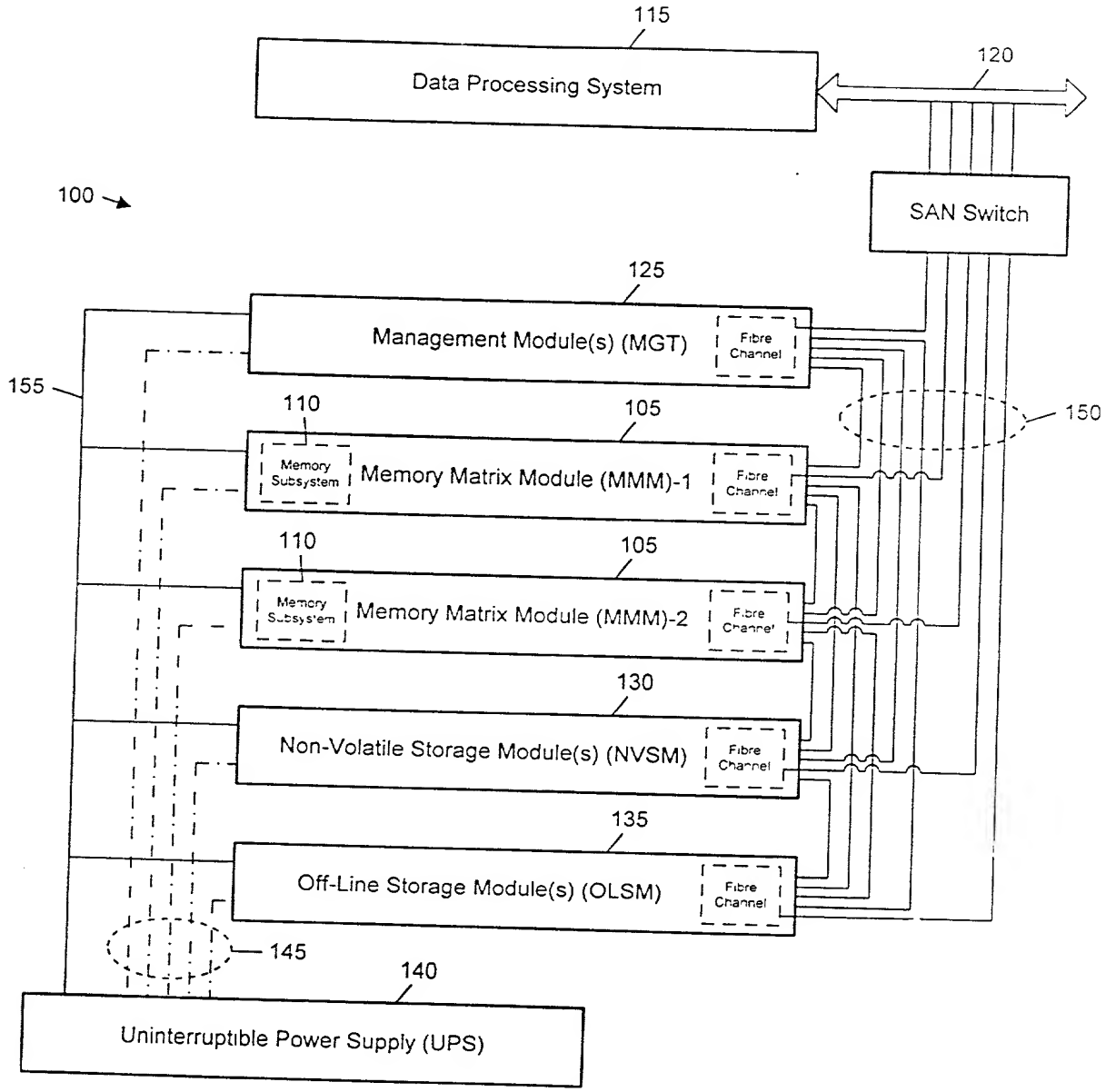

FIG. 5 - MEMORY MATRIX SYSTEM COMPONENTS (SAN CONFIGURATION)

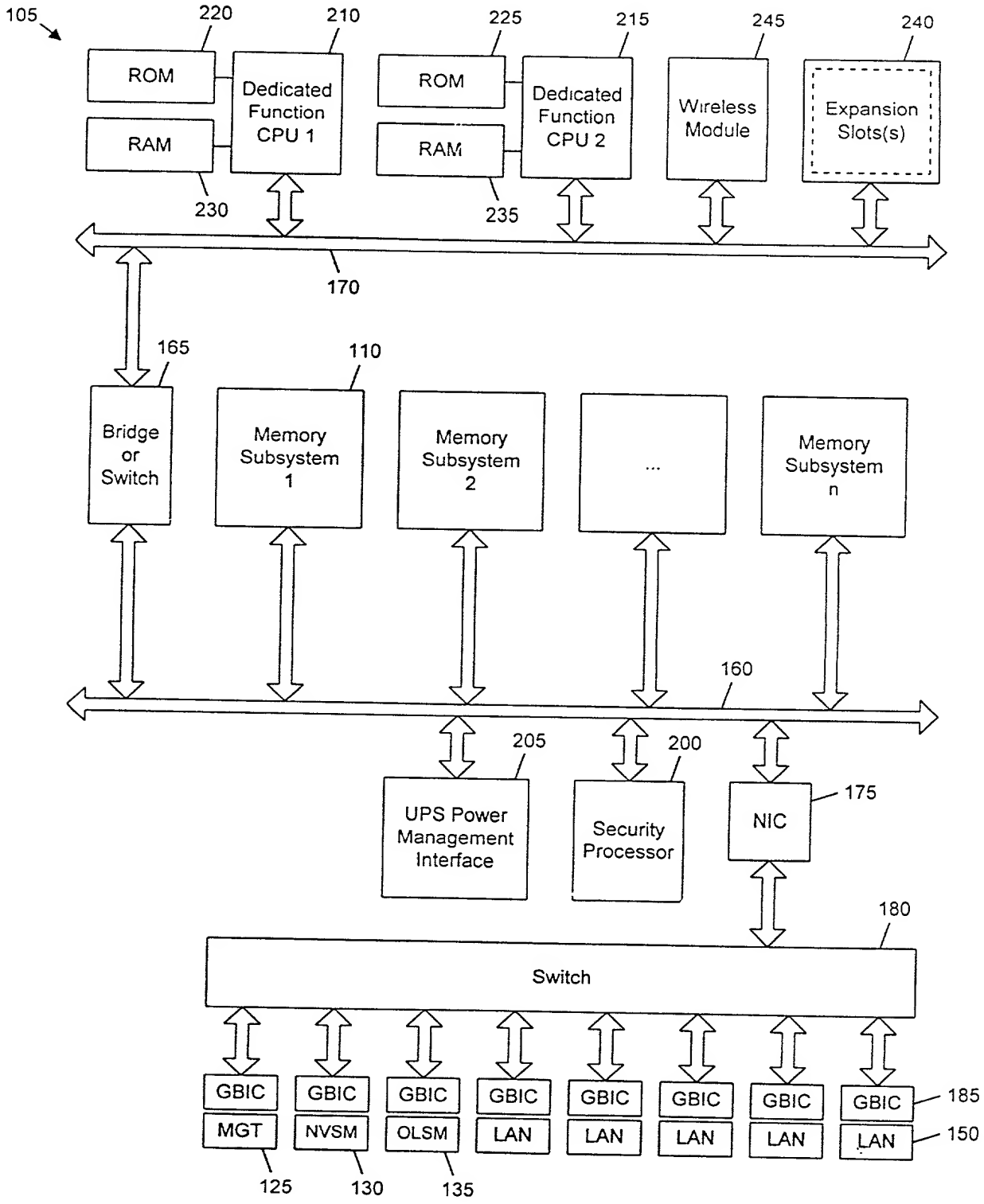

FIG. 6 - MEMORY MATRIX MODULE (MMM)

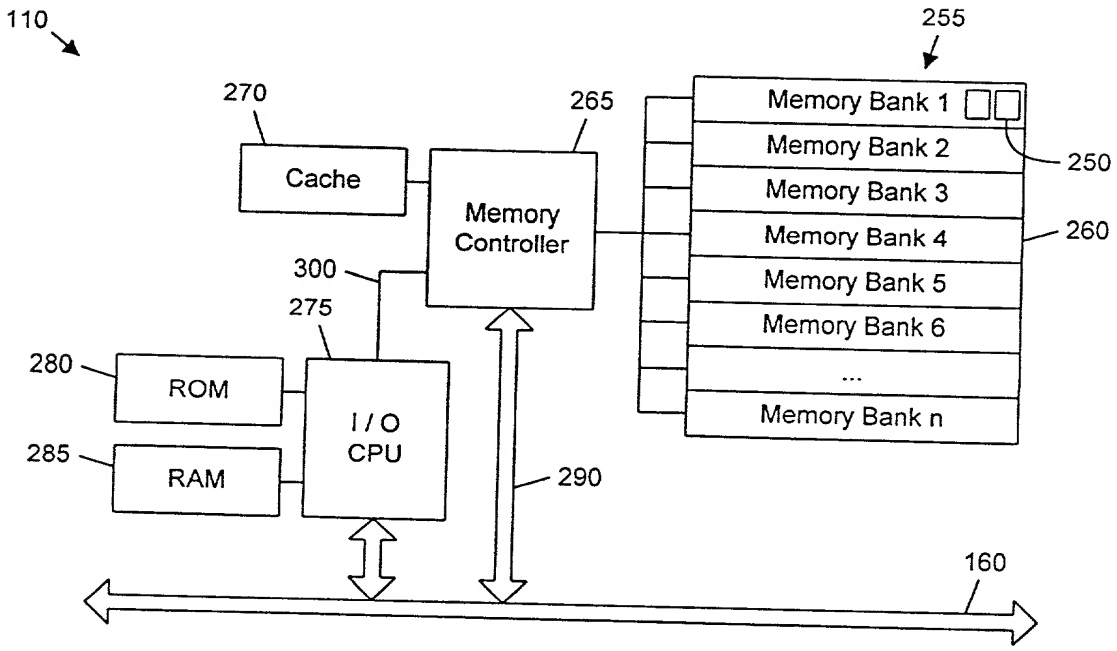

FIG. 7 - MEMORY SUBSYSTEM

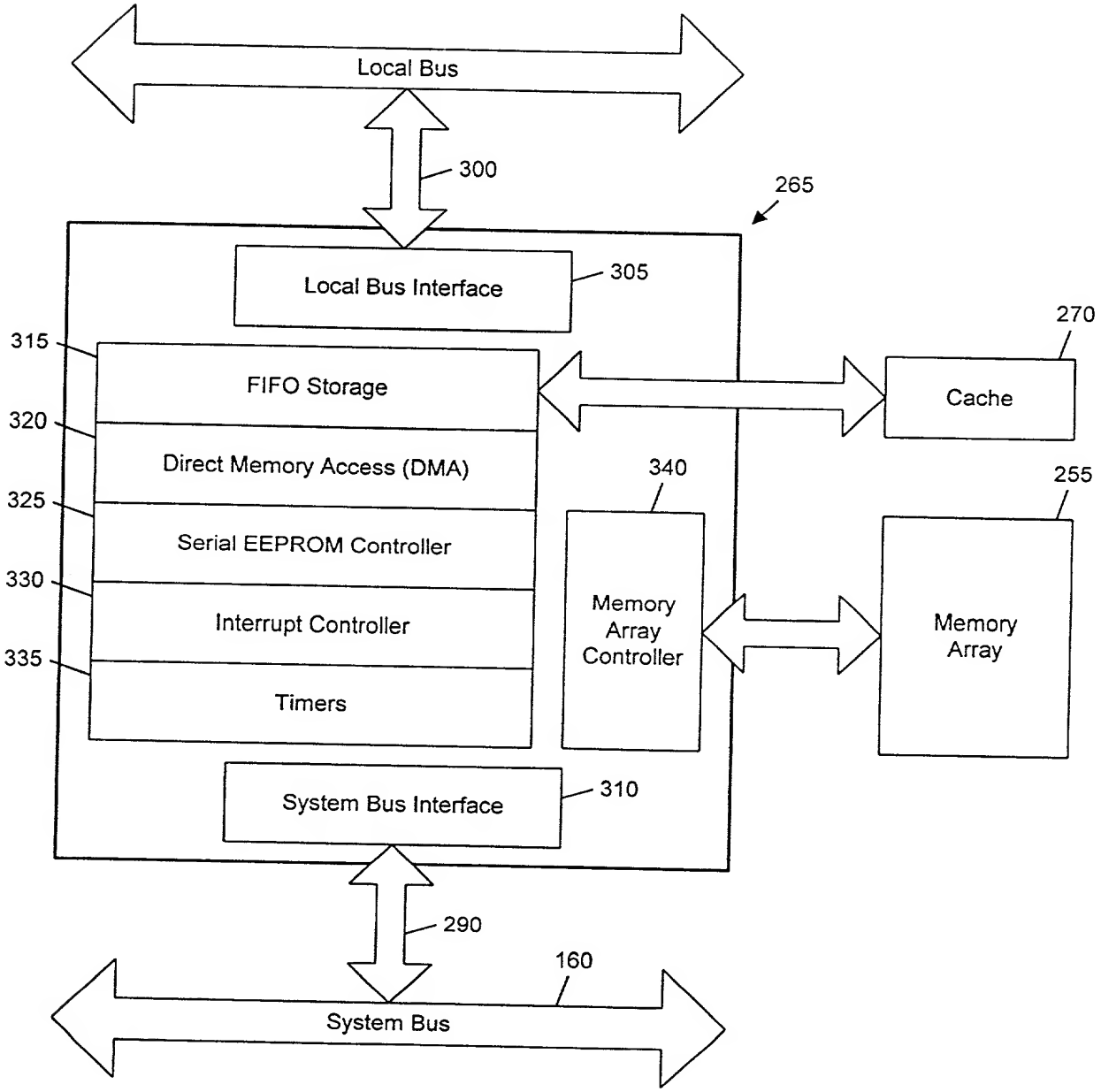

FIG. 8 - MEMORY CONTROLLER

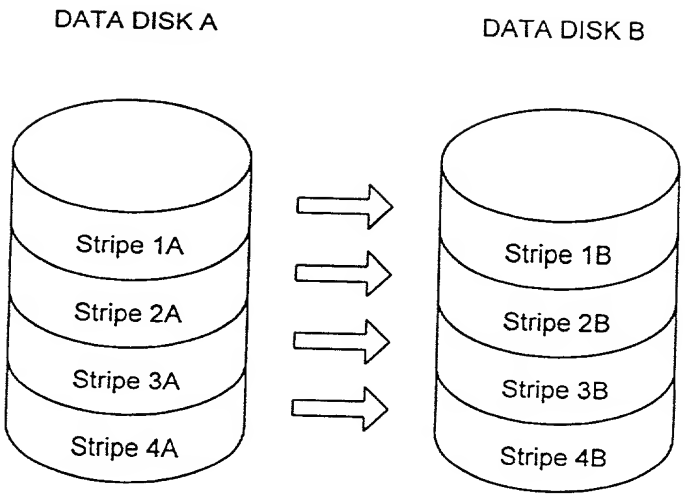

FIG. 9 - RAID LEVEL 0

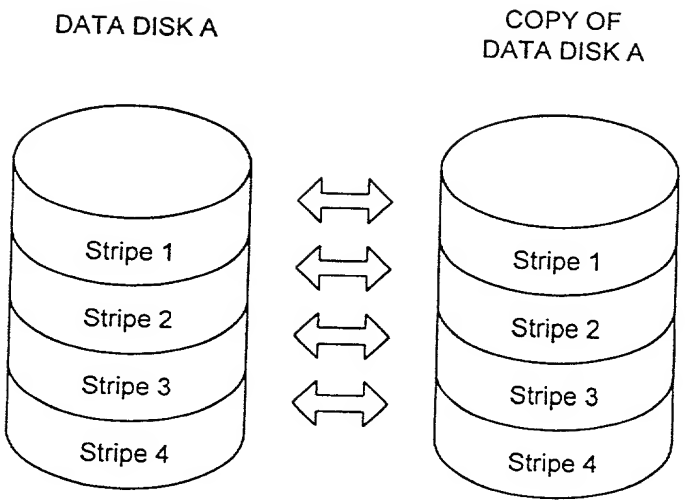

FIG. 10 - RAID LEVEL 1

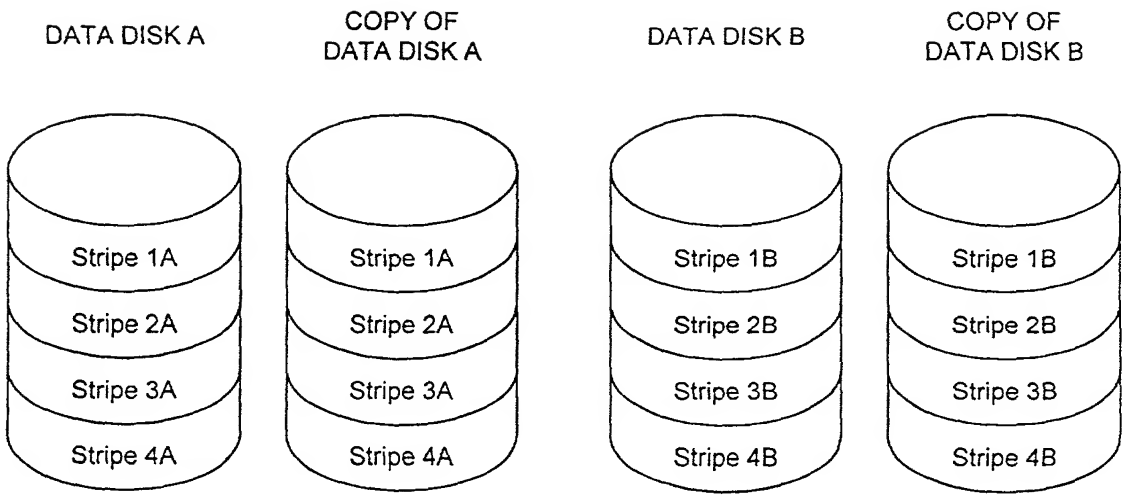

FIG. 11 - RAID LEVEL 0+1

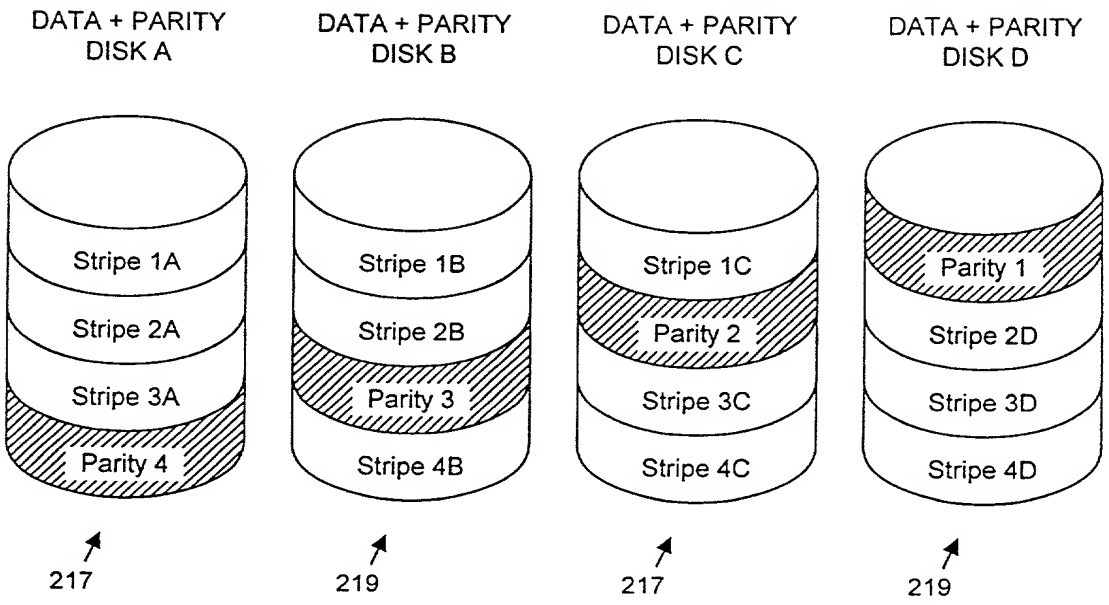

FIG. 12 - RAID LEVEL 5

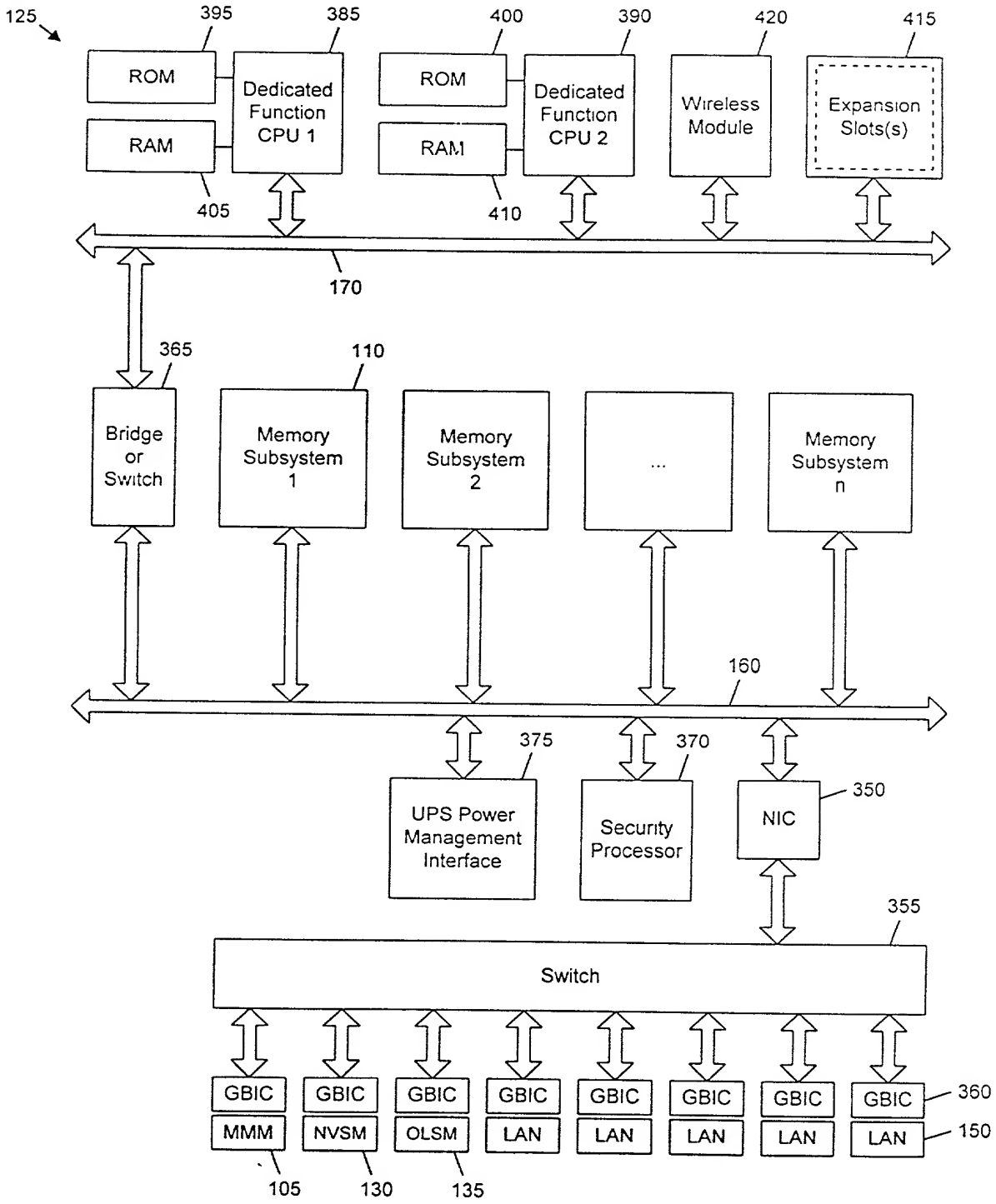

FIG. 13 - MANAGEMENT MODULE (MGT)

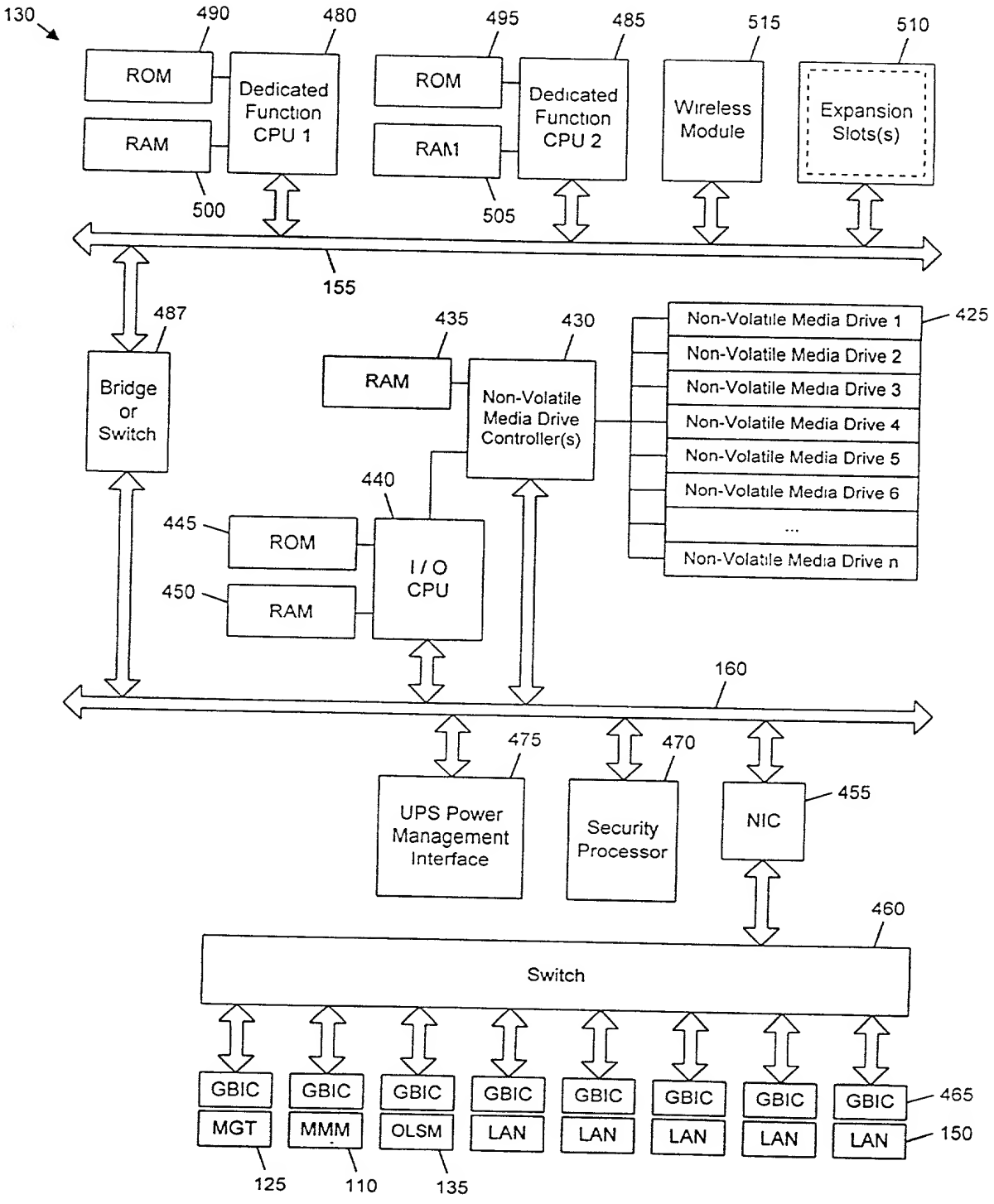

FIG. 14 - NON-VOLATILE STORAGE MODULE (NVSM)

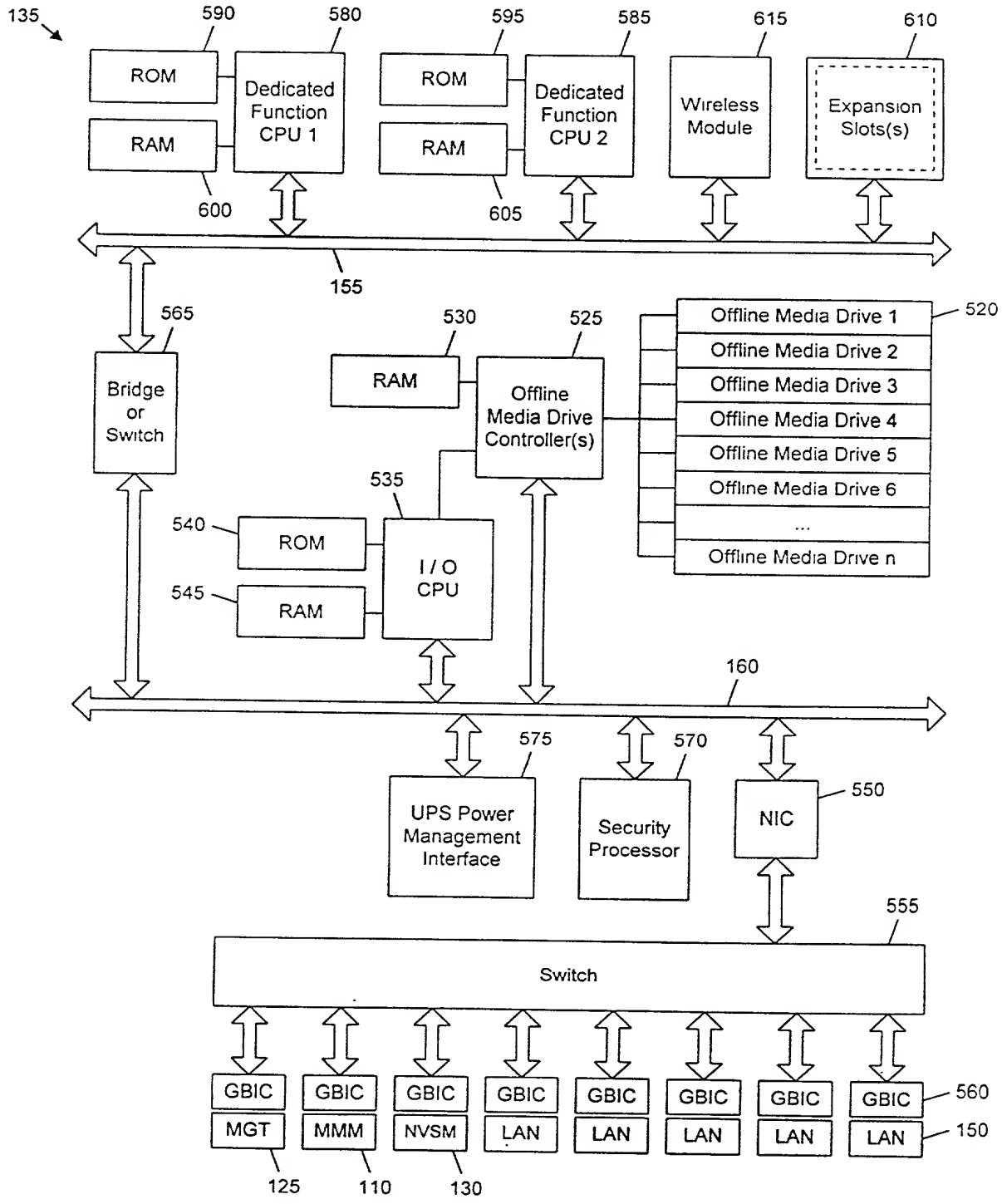

FIG. 15 - OFF-LINE STORAGE MODULE (OLSM)

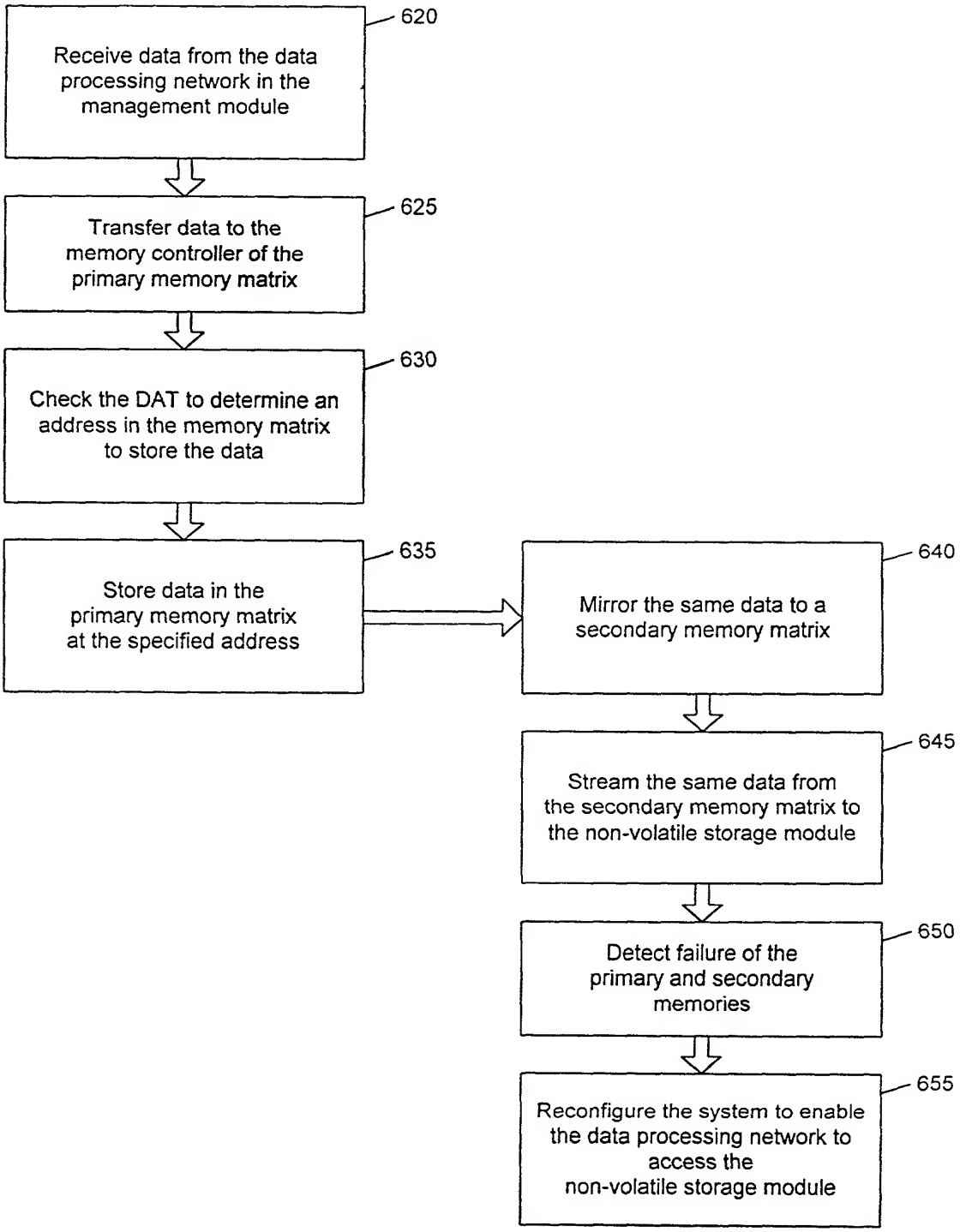

FIG. 16 - METHOD FOR OPERATION OF MEMORY SYSTEM